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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Shigeaki Koike et al.
Appl. No.: 08/923,369
Conf. No.: 2545
Filed: September 3, 1997
Title: DATA RECORDING AND REPRODUCING APPARATUS
Art Unit: 2615
Examiner: Vincent F. Boccio
Docket No.: 112857-086

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APR 14 2004

Technology Center 2600

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

The present remarks are in response to the Office Action entered in the above identified case and mailed on November 5, 2003. Claims 10, 12, 13, 16, 25 and 28030 are pending in the application. All stand rejected under 35 U.S.C. §103 as being unpatentable over Lang (U.S. 5,164,839), Takada et al. (U.S. 5,164,839) in view of Honjo (U.S. 5,432,769). Applicants respectfully traverse.

Independent claim 10 calls for, among other things, a digital data transfer circuit for transferring data between a disc recording means, a digital video interface and a signal processor adapted to convert video data between analog and digital formats, at a plurality of data rates. The signal processor is adapted to switch signals between an analog video interface, a digital video tape recording means and the digital data transfer circuit. This allows video data to be efficiently recorded, transferred, edited stored and played back at multiple data rates and in multiple formats. Further, input data may be received on a plurality of inputs in a plurality of formats, and output video data may be output on a plurality of outputs in a plurality of formats.

Neither Lang, Takada or Honjo disclose the arrangement claimed in claim 10. Lang Fig. 2, while teaching analog to digital and digital to analog conversion, do not a signal processor adapted to switch signals between the digital video tape recording means, the analog video input means, and the digital transfer circuit. What is more, Lang does not teach the digital transfer circuit capable of transferring data between the signal processor, the digital interface and the disc

recording means the Examiner is requested to point to the specific components of Lang which teach these elements of claim 10.

With regard to Takada et al. Applicants can see nothing of relevance beyond the fact that it teaches converting video signals between analog and digital, and storing the digital video signals on a tape. A separate dubbing signal may be recording instead of the recorded video signal by the action of a switch. No separate digital disc recording means is disclosed whatsoever. Honjo is similar it only teaches recording digital video data on an optical disc. Honjo teaches nothing regarding a digital tape recording means and a digital disc recording means, and the various components claimed in claim 10 for transferring data between the two at multiple data rates. Accordingly, Applicants respectfully submit that the rejection of claim 10 is improper since the combined references fail to teach or suggest every element of the claim invention.

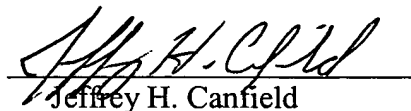
The remaining independent claims all include similar features and are allowable for the same reasons as claim 10. Applicants submit that all of the claims as they presently stand are in condition for allowance and request the Examiner to move the application to issue.

For these reasons, Applicant respectfully submits that the claims as presently amended are all in condition for allowance. Applicant therefore requests that the Examiner allow the claims move the application to issue. However, if there are any remaining issues the Examiner is encourage to call Applicants' attorney, Jeffrey H. Canfield at (312) 807-4233 in order to facilitate a speedy disposition of the present case.

If any additional fees are required in connection with this response they may be charged to deposit account no. 02-1818.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY 

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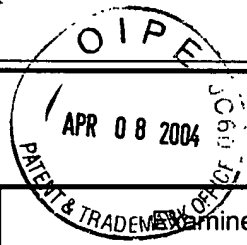
Dated: April 5, 2005

2645 #

TRANSMITTAL LETTER
(General - Patent Pending)

Docket No.
112857-086

In Re Application Of: **Koike et al.**



Serial No.
08/923,369

Filing Date
09/03/1997

Examiner
Vincent F. Boccio

Group Art Unit
2545

Title: **DATA RECORDING AND REPRODUCING APPARATUS**

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TO THE COMMISSIONER FOR PATENTS:

Transmitted herewith is:

Petition for Extension of Time (Duplicate); Response to Office Action (2 Pages); Check in the Amount of \$420.00; and Return Receipt Postcard.

in the above identified application.

- ☐ No additional fee is required.
- ☒ A check in the amount of **\$420.00** is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **02-1818** as described below.
- ☐ Charge the amount of
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.


Signature

Dated: **April 5, 2004**

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I certify that this document and fee is being deposited on **Apr. 5, 2004** with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Renee Street

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CC: